

List of ZWB/ZLDI reports

Printout from 05.10.2022 / page 1

- Oberth H.: *The "Flak rocket"*. 12 S. Oberth H.: *The project of a "Long Distance Missile"*. 16 S. Wahmke K.: ***Studies on the outflow of Combustion gases through cylindrical nozzles in particular Consideration of the rocket effect.*** 144 p.
- ??? Bartsch, E.: *Proposal for increasing the accuracy of the Flak.* 20 p.
- ??? Schilling: *For the development of fl. shipboard missiles.* 20 p.
- ??? Voss: *Reflections on the achievable with heavy anti-aircraft projectiles destruction probabilities.* 23 p.
- Workshop on powder combustion** Lindberg: *Systematic investigations of castable explosives for their suitability as rocket propellants.* pp. 30-33
- AVA 42/H/09** Straßl, H.: *Wind tunnel measurements on flat projectiles supersonic speeds.* 26 p. 04.05.1942
- AVA 42/H/15** Kehl, A.: *Wind tunnel measurements on some 10.5 cm anti-aircraft projectiles supersonic speeds.* 11 p. 09/24/1942
- AVA 43/H/12** Straßl, H.: *Further wind tunnel measurements on marine anti-aircraft missiles supersonic speeds.* 10 p. (continuation of report AVA 43/H/18) 02.04.1943
- Contributions to the problem of throwing bombs** Ballistics Institute of the Air War Academy: *Contributions to the problem of bombing. report of one Lecture series on July 5, 1939 in the Ballistics Institute of the Air War Academy Berlin-Gatow* 05.07.1939
- BMW** Ristau; Wessel; Schneider: *The development of rocket engines at BMW.* 35 S. ca. May 1945 (after April 1945)
- DAL year 1939/40** DAL (Hg.): *Yearbook of the German Academy of Aviation Research 1939/1940* 1940
- DAL Schr. 23/38** Becker, Karl: *The technical tasks of anti-aircraft artillery* 08.04.1938
- DAL Schr. 1008/39 gKdos.** Becker, Karl: *Writings of the German Academy of Aeronautics Research. the technical tasks of anti-aircraft artillery. Lecture held in the 1. Scientific meeting of the full members on April 8, 1938.* Session period 1938/39 April 8, 1938
- DAL Schr. 1071/43 gKdos.** DAL (Hg.): *Writings of the German Academy for Aeronautics Research. R drives. Lectures given at the workshop on August 5, 1943.* Session period 1943/44 August 5th, 1943
- DAL Schr. 1071/43 gKdos.** Klein, Heinrich: *Powder rockets around 1943*
- DAL Schr. 1071/43 gKdos.** Zborowski, Helmut: *Rocket engines based on nitric acid and their specific drive weights* 05.08.1943
- DFS** Merz, Paul: *Abron Pfeiffer's proposal for the tactical use of Anti-aircraft missiles with a seeker.* 9 p.
- DFS in-house 31** Hoffmann, Heinrich: *The detonation rocket.* 51 p. 04/20/1942

List of ZWB/ZLDI reports

Printout from 05.10.2022 / page 2

Diss. Uni Berlin	Diekmann E.: <i>On the combustion of alcohol with liquid oxygen in the rocket.</i> 98 p.
DWM 222004	Strobel, R.: <i>Pressure and velocity of the combustion gases along the Soul axis in the 8.8 cm Flak.</i> 08/14/1944
FA W. Schmidding No. 47;	Bernd; Steyrer, Oscar; Wiegand, Werner: <i>Name of the inventor of the light powder rocket</i> 17.08.1944
FB 1168	Vuellers H.; Mueller H.: <i>Summary report on the investigation of various tube interior fittings, in particular with regard to the Guide belt wear on the 2 cm Flak 30. 40 S.</i>
FB 1571	Stein, von Ritte: <i>Diagrams of the entropy, enthalpy and composition of Oil-oxygen combustion gases and their application to the rocket motor.</i>
FB 1833	Hoffmann: <i>The intermittent rocket and the combined RL device.</i>
FB 1847	Correll W.: <i>Investigations on the guidance of an anti-aircraft missile.</i> 58 p.
FB 1870	Ringleb, F.: <i>Shortest take-off distance of an aircraft when taking off with additional Rocket boost</i> 10/07/1943
FB 1892	high, H; Lyra, G.: <i>Studies on the stability of the beacon-guided Flak rockets</i> 20.12.1943
FB 1892/2	Hoch H.: <i>Studies on the stability of the beacon-guided anti-aircraft missile. Second part.</i> 45 p.
FB 1892/3	High: <i>Studies on the stability of the beacon-guided anti-aircraft missile (Part 3).</i> 42 S.
FB 1892/5	High; Mueller: <i>Studies on the stability of the beacon-guided anti-aircraft missile.</i> 37 S.
FB 1892/6	Hoch, H.; Brankamp, J.: <i>Studies on the stability of the beacon-guided Flak rockets</i> 06.09.1944
FB 1892/7	lyre; G.; Hoch, H.: <i>Studies on the stability of the beacon-guided anti-aircraft missile. Stability of the spatial movement at height and Rudder activation</i> 07.10.1944
FB 1892/8	Hoch, H.: <i>Studies on the stability of the beacon-guided anti-aircraft missile</i> 11/13/1944
FB 1892/9	lyre; High: <i>Studies on the stability of the beacon-guided anti-aircraft missile.</i> 18 S.
FB 1916	Slevogt, K.; Wessel, W.: <i>About the influence of the chaff in different Radio measuring frequencies</i> 25.03.1944
FB 1963	Slevogt, K.; Wessel, W.; Hoffmann: <i>About absorption and depolarization of short electromagnetic waves when passing through a chaff cloud</i> 09.02.1944
FGZ Ber. 303	Snay, HG: <i>Alignment of axially hurled torpedoes with cross-blowing ones rockets.</i> 1943. 23 p. 22.03.1943

List of ZWB/ZLDI reports

Printout from 05.10.2022 / page 3

FMA-Ber.79	DWM: <i>Hit probability for shooting against air targets with heavier Flak when using an impact or time fuse.</i>
FMA-Ber.83	DWM: <i>External ballistic calculations for an 8.8 cm anti-aircraft projectile, caliber 5 cm.</i>
FMA-Ber.85	DWM: <i>v0 increase for anti-aircraft weapons (Brg.Ber.)</i>
release day.1944	Chairs: <i>About the most important ones at Rheinmetall-Borsig at the moment. common Procedures for calculating and evaluating trajectories of ordinary bullets and missiles. (2nd lecture). 16 p.</i>
Freiburg conference 1944	Doetsch, Hans: <i>Measurement of the spin-stabilized on-board rocket 21 when launched from the ground and from the plane.</i>
inst. Mechanics Univ. Goett. high H.; Lyra G.: <i>Studies on Stability of the beacon-guided anti-aircraft missile. (Part 1). 32 p.</i>	
LFA	Brown, G.; Retert: <i>Draft of a test model F 22 to develop a anti-aircraft missile. 7 p. 05/21/1941</i>
LFA	Fricke: <i>Ground firing board for the 21 cm on-board rocket (incendiary shrapnel). 11 p. 27.11.1944</i>
LFA	Langner H.; Peschl E.: <i>Comparison of the hit probabilities of MG and Shrapnel missile in air combat. 16 p. 08/01/1944</i>
LFA	Wiessner: <i>Determining the thrust of a spring-loaded rocket in a dual tube. 3 p. 06/10/1942</i>
LG 139/2	Herrmann, E.: <i>Three-component measurements in the supersonic wind tunnel on two Anti-aircraft grenades and comparison with the firing tests in October 1941</i>
LG 139/2	Lilienthal Society for Aviation Research (Hg.): <i>Weapons. Report on the session "Resistance and Stability of Bullet Bodies" on 9th and 10th October 1941 in Peenemünde. 2nd part 10.1941</i>
Lufo Vienna	Lippisch, Alexander: <i>Proposals for the execution of an anti-aircraft projectile or Long-range projectile with ram-rocket propulsion. 9 p. 18.12.1944</i>
P 2925	DWM: <i>Calculation method for powder rockets without taking into account the air resistance.</i>
Peen. 9	???: <i>Rocket launch tests of the glider type DFS 230 with powder rockets RI 502. Nr. 2334/42 gKdos.</i>
Peen. 13	???: <i>Trajectory calculations - deflection of the aggregate IV with given program ($w = 2.5 \text{ deg/sec}$). Beginning of the diversion in the 6th burning second. Without wind influence. No. 405/40 gKdos.</i>
Peen. 14	???: <i>Trajectory calculations - deflection bend for aggregate IV with KG control, ($a = 7.2$ $b = 3.6$ $w = 3 \text{ deg/sec}$). No. 415/40 gKdos.</i>
R & T 159	Winkler, Johannes: <i>The Gas Dissociation in Rocket Combustion. newer Method for calculating the dissociation of combustion gases in rockets.</i>
R.d.L., Ob.d.L.	Gottberg, K. von: <i>Contribution to the kinetic theory of detonation chemical uniform explosives. 10 p. (Office group for anti-aircraft gun development at the HWA) 08/22/1941</i>

List of ZWB/ZLDI reports

Printout from 05.10.2022 / page 4

Rech. 171	Dittmar: <i>Starting attempts with the engine "Storm" serial no. 034,020 and 037 and 6-jet combustion chamber.</i> Re No. 21836/44 22.12.1944
Rech. 182	Dittmar: <i>Malfunctions on the "Storm" engine in the period from 1 October 1944 to 31 January 1945 on 02/06/1945</i>
Rech. 246	Grauerholz: <i>testing of rocket bomb firing from Ju 87 with Dive hit image.</i> Re No. 437/42 gKdos. 07/29/1942
Rech. 256	Corte: <i>Increase in armor penetration performance for 3.7 cm Flak 18 final report.</i> Re No. 8985/42 gh. 10/24/1942
Rech. 283	Corte: <i>Increase in the armor penetration performance of the 3.7 cm Flak 18.</i> Re 1942 08/01/1942
Rech. 341	Caspar: <i>Development of a dummy rocket.</i> Re Br.B.Nr.1163/44 gKdos. 09/03/1944
Rech. 382	Grauerholz: <i>The 570 kg rocket bomb SC 500 RS I as an overweight from Aircraft-launched missile.</i> Re 1944 04/14/1944
Reich Ministry of War	Seifert; Thiel: <i>Report on investigations into the suitability of various Fuels as fuel for the smoke trail device II, in particular the 20 kg Heylandt oven. Carried out at test site east, Kummersdorf, test stand A, from 2/1/1936 to 12/20/1936. (Excerpt from Seifert's doctoral thesis) 78 p. (shooting range Kummersdorf)</i>
Reich Ministry of War	Thiel: <i>Empirical and theoretical principles for recalculating furnaces and experimental data. 45 pages (Kummersdorf shooting range)</i>
Tarn. 33	???: <i>Determining the efficiency of rocket nozzles.</i> No. E 6/1023/44 go.
TB 10/5	Proell , A.: <i>Start Shortening by Rocket Aid May 15 , 1943</i>
TB 43/5; TB 10/5	ZWB (Hg.): <i>Technical reports and preprints from the 1942 yearbook German aviation research. Delivery 12 05/15/1943</i>
TB 43/5; TB 10/5	ZWB (Hg.): <i>Technical reports and preprints from the 1942 yearbook German aviation research. Delivery 12 05/15/1943</i>
TH Darmstadt FB 2/43	???: <i>Static investigations of partial shells (middle part) A 4 at different versions. Third interim report. Experiments with partial shell 5, 14 S. (Engineer-Laboratory)</i>
UM 753	Täubert, P.: <i>On the burnup of a powder rocket.</i> 49 p. 05.07.1943
UM 842	Voss G.: <i>The chances of success of heavy flak when shooting with Impact ignition in comparison with that caused by incendiary projectiles achievable launch probabilities.</i> 27 p.
UM 845	Braunbek: <i>Calculations on current problems of aircraft shooting down by heavy flak.</i> 34 p.
UM 1511	Himmler, CR: <i>On the energy supply of hydraulic anti-aircraft guns adjustable pumps after measurements with the sliding shoe pump at the 3 cm Twin carriage M 44 U. 20 S.</i>

List of ZWB/ZLDI reports

Printout from 05.10.2022 / page 5

UM 2012	Schugt: <i>device for continuous target tracking with three aiming axes. study about the conditions for the practical feasibility of the three-axis aiming at the anti-aircraft command device</i> 29.06.1943
UM 2050	Retert: <i>Wind tunnel measurements on a wing rocket model FK 55 with rear lying wing.</i> 9 p.
UM 2123	Gebelein H.: <i>On the fuel consumption of rockets ascending in a straight line.</i> 55 S.
UM 3024	Walchner, Otto; Ludwieg: <i>Subsonic and supersonic wind tunnel measurements Stabilization of a long-range missile Borsig.</i>
UM 3223	Ludwieg H.: <i>Wind tunnel measurements in the subsonic and supersonic range on the model the anti-aircraft missile "Rheintochter R III".</i>
UM 3508	Schedling, J.: <i>On the model representation of a guided anti-aircraft missile.</i>
UM 3514	Schlögl, F.; Walker, R.: <i>Special three-point curves for rocket projectiles with greatly variable speed.</i> 64 p. 17.01.1944
UM 3536	Singer, Eugen: <i>The position of the Lorin fighter in the family of jet fighters.</i> 11 S.
UM 3538	Singer, Eugene; Singer-Bredt, Irene: <i>About a rocket drive for Fern bombs.</i> 08.1944
UM 4563	Plant, E.: <i>Trajectory calculations for a rocket projectile.</i> 12 p.
UM 6052	Naumann, A.; Kaussen: <i>Resistance measurements on anti-aircraft HE shells (2nd message).</i> 6 p.
UM 6054	Hesselmann: <i>Stability measurements on a model of the anti-aircraft grenade R 42 Rh.</i> 3 S.
V-Ber.1425	Mauser: <i>Last forces with 2cm Flak 38 barrels with different rifling</i>
WVA	???: <i>Model shots of the hydraulic engineering research institute Kochelsee GmbH. (1 Recordings of rocket models with directory.)</i> 6 p.